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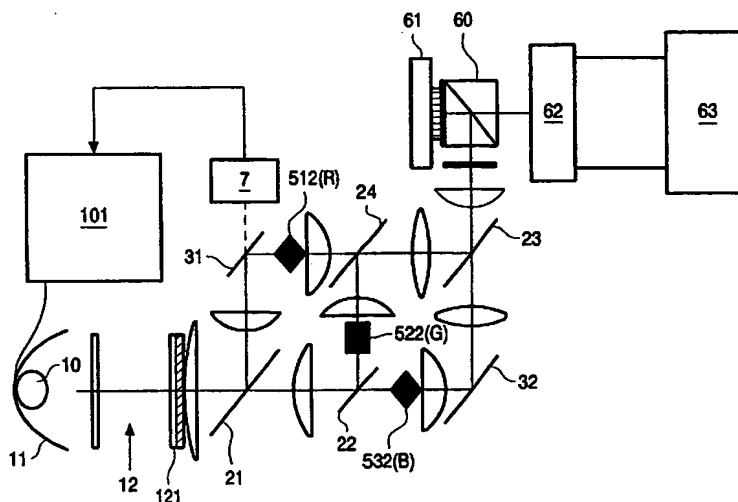
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(54) Title: IMAGE PROJECTOR WITH INTENSITY-CONTROLLED LIGHT SOURCE



(57) Abstract: The invention relates to a projection system for image representation, with a display (61), at least one lamp (10), and at least one sensor (7) for generating a sensor signal for monitoring and compensating changes in the luminous flux provided by the at least one lamp (10). To achieve a monitoring of the light quantity actually incident on the display (61) which is as accurate and as interference-free as possible, an optical component (31) is arranged in a light path between the lamp (10) and the display (61), which component allows a first light component to pass through and reflects a second light component such that one of the light components is directed at the display (61) and the other light component is directed at the sensor (7) arranged outside the light path. A sensor signal generated in this manner renders it possible to compensate for fluctuations in the luminous flux provided by the lamp (10) through the control of a lamp driver (101) in an effective manner and practically without light losses and without being influenced by the brightness fluctuations generated by a color modulator or other components of the system.

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